

29th - 31st March 2010

SELEX Sistemi Integrati at DIMDEX 2010

SELEX Sistemi Integrati, a Finmeccanica company, world leader in naval, defence, civil and air traffic control and management systems and sensors, with a customer base in over 150 countries, is participating at DIMDEX 2010 a dedicated maritime defence exhibition going to be held in the International Exhibition Centre in Doha, Qatar.

SELEX Sistemi Integrati is not new in Qatar, where, the Finmeccanica company, following a contract dated 2008 for 130 million Euros, is developing a wide supply for the NDIA airport, thanks to its turn-key airport solutions as well.

SELEX Sistemi Integrati is very active in the Middle East area. The company is now working on the integration of the combat system for the Ghannatha class ships and is also manufacturing the combat system for six Baynunah class corvettes for the United Arab Emirates Navy.

Again in the United Arab Emirates, after a contract dated 2009 for an Abu Dhabi class ship, SELEX Sistemi Integrati is providing an IPN-S command and control system, an NA 30S firing control system, a KRONOS 3D radar system, a SIR-M secondary radar and a Medusa MK4B electro-optical system.

The company will also be responsible for the functional integration of the combat system.

A key element of this contract is the KRONOS multi-role solid-state 3D radar, completely designed and developed by SELEX Sistemi Integrati and based on the company experience with EMPAR, the naval radar systems used by the Italian Navy and other foreign clients.

A similar supply will equip two new stealth patrols for the Falaj 2 programme, following a contract signed in January 2010. Specifically, SELEX Sistemi Integrati has been chosen to supply naval systems and to integrate the combat system. The company is providing IPN-S command and control systems, NA 30S fire control systems, KRONOS 3D radar systems and SIR-M secondary radar systems.

The decision by the United Arab Emirates to pick KRONOS represents a great international sales success for this type of radar, which has many competitive advantages over its rivals in the same class.

In the naval domain SELEX Sistemi Integrati's strength also lies in its fifty year long experience witnessed by more than 100 naval units and 40 different customers worldwide. SELEX Sistemi Integrati is at the fore-front in the development, production and supply of integrated combat systems, combat management systems, command and control systems, target control systems, radar and electro-optical sensors, simulation and training systems.

Strong of this position SELEX Sistemi Integrati at DIMDEX, into stand n. J202, is showing its capabilities by displaying an IPN-S, integrated Combat Management System and the radar systems KRONOS NV and EMPAR mock-ups.

Products on display

IPN-S, integrated combat management system

The IPN-S, integrated Combat Management System architecture of SELEX Sistemi Integrati, is based on a scalar architecture and is suitable for any Class of vessel, from Patrol Vessels thru Aircraft Carriers, as well as for refurbishment or refitting programs. The integrated Combat Management Systems by SELEX Sistemi Integrati feature: Surveillance, Sensors Management, Tactical Picture Management, Navigation Support, Threat Evaluation and Weapon Assignment, Weapon System Management, Operations Planning, Multi Tactical Data Link, Onboard Training.

Any component is fully redundant, assuring "no break" level resilience and graceful degradation.

SELEX Sistemi Integrati, a Finmeccanica company, designs and develops Large Systems for Homeland Protection, systems and radar for air defence, battlefield management, naval warfare, air traffic control, coastal and maritime surveillance. Fifty years of experience in system integration have created a customer base in no less than 150 countries. **SELEX Sistemi Integrati** has complete mastery of the advanced technologies involved – the company's true wealth and expertise – as well as an extensive commercial offer of state-of-the-art solutions and products, backed up by full logistic support.

With about 4,200 employees and plants in Italy, the UK, Germany and the USA, **SELEX Sistemi Integrati** is a leader in research and development thanks to annual investments amounting to 20% of the production value.

KRONOS - 3D Multi Role Radar

KRONOS is a 3D multi-role C-Band radar with a full solid state active phased array antenna. It is available both in land based (KRONOS 3D LND) and shipborne (KRONOS 3D NV) configurations. KRONOS 3D is a medium range Radar, which counters new generation threats in every kind of environment: ECM (Electronic Counter Measures) environments, severe clutter environments, such as open sea (Blue Water) and extreme littorals (Brown Water) scenarios for the naval version. The naval version of the KRONOS system is easily integrated in every Combat Management System and is completely remote controlled.

EMPAR (European Multifunction Phased Array Radar) is the State-of-the-Art multifunction radar.

EMPAR operates at C-band, performing concurrently 3D detection, multiple target tracking and missile guidance. EMPAR is designed to be fitted on board medium and large tonnage vessels, playing the role of principal ship sensor. It may be integrated within both Combat and Missile Systems and is able to counter different threats.